IN THE SPECIFICATION:

Page 1, after the title and before line 1, insert the following topic headings.

BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

Page 1, lines 3 to 17, replace the paragraphs with the following amended paragraphs.

THE PRIOR ART

Structured cabling systems enjoy extremely wide use for the purposes of providing data and voice services cabling within a commercial environment. Typically, a structured cabling installation comprises a plurality of rack mounted patch panels. Some of these patch panels will have cables connected to the individual jacks thereof leading to remote jacks at various locations around a building. Others of the patch panel will be connected to other fixed installations, for example, a telephone switch system. Once all the fixed cabling has been installed, patch leads are used to connect the jacks of respective patch panels to establish connections therebetween.

Heretofore, the patching process has been slow, and even if carried out with care by skilled staff, has been prone to error. In a large installation with many patch panels it can be difficult see exactly which

jack needs to be connected to which other jack. Further, the patching information (that is the instructions as to which jack is to be connected to which other jack) have to be read by the operator either from a hard copy print or a computer as he makes each connection. This is time-consuming and prone to error.

Page 1, line 23, insert the following topic heading.

SUMMARY OF THE INVENTION

Page 2, lines 10 to 15, replace the paragraph with the following amended paragraph.

The present invention still further provides a jack for a structured cabling system ~~according to any of claims 1-12, comprising~~ which includes a body having a plurality of contacts therein and two partial shielding cans which are electrically isolated from each other, ~~said~~ these cans, in use, being engaged by at least one contact formed on a plug which mates with ~~said~~ the body in order to effect an electrical connection between ~~said~~ the cans.

Page 4, lines 6 to 23, replace the paragraph with the following amended paragraph.

The invention will be better understood from the following description of a preferred embodiment thereof, given by way of example only, reference being had to the accompanying ~~drawing which~~

~~schematically illustrates a single jack of a structured cabling system~~ drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a schematic illustration of a single jack of a structured cabling system according to the invention;

Figure 2 is a schematic illustration of a pair of patch panels incorporating the cabling system of the invention with a patch cable connected therebetween;

Figure 3a is an enlarged illustration of a jack socket embodying the invention;

Figure 3b is an enlarged portion of a plug for use in the jack socket of Figure 3a;

Figure 3c is an illustration of the plug of Figure 3b inserted into the jack of Figure 3a;

Figure 4 is an illustration of a pair of patch panels each incorporating sockets according to the invention connected to a controller;

Figure 5 is an illustration of the system of Figure 4 connected to a computer interface for uploading and downloading data to the controller; and

Figure 6 is a schematic illustration of the controller system underlying the invention.

DISCUSSION

~~The drawing~~ Figure 1 illustrates schematically a single jack of a structured cabling system. It will be appreciated that, in practice, many identical jacks will be present in such a system. For simplicity, all jacks of the system should preferably be in the form of the single jack illustrated in the drawing.

The jack comprises a conventional body 1 and contacts 2 in accordance with the RJ45 protocol. Adjacent the jack is provided ~~an LED~~ a Light-Emitting Diode (LED) 3 which can be illuminated in response to a single 4 provided by a central processing unit. The LED 3 is immediately adjacent the jack 1 so that when the LED is illuminated it identifies uniquely the jack to which it is adjacent.

The jack 1 is provided with two partial shielding cans 5, 6 which, when no plug is present in the jack, are electrically isolated from each other. The two separate parts 5, 6 are connected by suitable cabling 7, 8 to a central processing unit.

Patching of an installation comprising a multiplicity of the jacks shown in the drawing is accomplished as outlined above.

Figure 2 shows two patch panels of the invention with a patch cable extending therebetween, Figures 3a, 3b, 3c show a jacket socket, plug and plug in jacket of the invention, Figure 4 shows two patch panels with sockets according to the invention connected to a controller, Figure 5 shows the system of Figure 4 connected to a computer, and Figure 6 illustrates the controller system.